BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2. Follow the sample format for each person. DO NOT EXCEED FOUR PAGES.

NAME
Emeson, Ronald B.

POSITION TITLE
Associate Professor

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

<table>
<thead>
<tr>
<th>INSTITUTION AND LOCATION</th>
<th>DEGREE (if applicable)</th>
<th>YEAR(s)</th>
<th>FIELD OF STUDY</th>
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</thead>
<tbody>
<tr>
<td>The Johns Hopkins University</td>
<td>B.A.</td>
<td>1980</td>
<td>Biology</td>
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<tr>
<td>The University of Colorado Health Sciences Ctr</td>
<td>Ph.D.</td>
<td>1986</td>
<td>Physiology</td>
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<tr>
<td>University of California, San Diego</td>
<td>Postdoctoral</td>
<td>1986-1989</td>
<td>Molecular Neurobiology</td>
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</table>

A. Positions and Honors

Positions and Employment
1983-1986  The Johns Hopkins University School of Medicine, Department of Neuroscience
1986-1989  Postdoctoral Fellow, Molecular Neurobiology, University of California, San Diego
1989-1991  Research Associate, Howard Hughes Medical Institute, University of California, San Diego
1991-1997  Assistant Professor, Departments of Pharmacology, and of Molecular Physiology and Biophysics, Vanderbilt University School of Medicine, Nashville, TN
1997-pres  Associate Professor, Departments of Pharmacology, and of Molecular Physiology and Biophysics, Vanderbilt University School of Medicine, Nashville, TN

Honors and Awards
1982, 1983  Upjohn Pharmaceutical Company Graduate Fellowship
1986-1989  Individual National Research Service Award (NRSA)
1995  Department of Pharmacology Teaching Award
1995-1998  NIH Study Section, Neurological Sciences-2, member reviewer
1997-2000  Pharmaceutical Research, Editorial Advisory Board
1998-2000  NIH Study Section, Molecular, Developmental and Cellular Neuroscience-6, member reviewer
1998-pres  Joel G. Hardman Chair in Pharmacology

B. Selected Peer-reviewed Publications


Rueter, S., & Emeson, R. B. (1998). Adenosine to inosine conversion in mRNA. In H. Grosjean & R. Benne (Eds.), Modification and editing of RNA: The alteration of RNA structure and function (pp. 343-361). East Norwalk, CT: ASM Press.


C. Research Support

**Ongoing Support**

<table>
<thead>
<tr>
<th>Grant</th>
<th>PI</th>
<th>Start Date</th>
<th>End Date</th>
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<tr>
<td>R01NS35891</td>
<td>Emeson (PI)</td>
<td>02/01/02</td>
<td>01/31/07</td>
</tr>
<tr>
<td>R01NS33323</td>
<td>Emeson (PI)</td>
<td>07/01/00</td>
<td>06/30/04</td>
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**NIH/NINDS**

**Post-Transcriptional Regulation of Serotonin Receptors**

The major goals of the proposed studies are to evaluate the signaling properties of distinct 5-HT\(_2C\) receptor isoforms generated by RNA editing, to generate mutant strains of mice an characterize the physiological consequences resulting from expression of a single, edited 5-HT\(_2C\)R isoform, and to examine the role of 5-HT\(_2C\) receptor editing and signaling in cellular transformation and tumorigenesis.

Role: PI

<table>
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<tr>
<th>Grant</th>
<th>PI</th>
<th>Start Date</th>
<th>End Date</th>
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<td>R37MH34007</td>
<td>Sanders-Bush (PI)</td>
<td>08-01-00</td>
<td>07/31/05</td>
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**NIH/NIMH**

**Characterization of Central Serotonin Receptors**

This project focuses on the regulation of serotonin receptor function in vitro and in vivo, utilizing molecular, cellular and behavioral strategies.

Role: Investigator

<table>
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<tr>
<th>Grant</th>
<th>PI</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
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<tbody>
<tr>
<td>T32GM07628</td>
<td>Emeson (PI)</td>
<td>07/01/98</td>
<td>06/30/03</td>
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</tbody>
</table>

**NIH/NIGMS**

**Training in Pharmacological Sciences**

The major goals of this project are to provide stipend and tuition support for trainees in pharmacology.

Role: Program Director